

AUTHOR INDEX

Abdel Hamid, H. 177
Adinolfi, M. 307
Albersheim, P. 79

Barnes, C.L. 17
Becker, B. 313
Beckmann, F. C3
Bell, R.A. 49
Bergamaschi, B.A. 115
Bouchra, M. 227
Bundle, D.R. 153

Calinaud, P. 227
Capretta, A. 49
Corsaro, M.M. 307

Darvill, A.G. 79
De Castro, C. 307
Driguez, H. 1

Ebata, T. 187
El Ashry, E.S.H. 177
El Habrouk, M. 177
Evidente, A. 307
Ewing, D.F. 203

Fahmi, N.-E. 203
Feather, M.S. 17
Fukamizo, T. 135

Gama, Y. 39
Garg, A. 105
Garg, H.G. 105
Gelas, J. 227
Goto, S. 135
Gunning, A.P. 161

Hedges, J.I. 115
Hirsch, J. 17
Hisamatsu, M. 79
Hisamichi, K. 299

Ikeda-Hasebe, T. 299
Ikeda, Y. 135
Impallomeni, G. 79
Ishizu, A. 291
Ito, S. 217

Jäger, K.-E. C3

Kamerling, J.P. 313
Kaneko, S. 39
Kawabata, Y. 39
Kerns, R.J. 143
Kirby, A.R. 161
Kobayashi, H. 299
Koizumi, K. 27
Komido, M. 299
Konda, Y. 217
Kusakabe, I. 39

Lanzetta, R. 307
Lavermicocca, P. 307
Linhardt, R.J. 143
Lommerse, J.P.M. 313

Mackenzie, G. 203
Maharajh, R.B. 49
Martin, O.R. 1
Matsuda, K. 299
Matsumoto, K. 187
Matsumoto, Y. 291
Matsushita, H. 187
Melkonian, M. 313
Meshitsuka, G. 291
Miller, A.W. 127
Moll, H. C3
Morris, V.J. 161

Neame, P.J. 105
Neira, S. 239
Nishimura, A. 291

- Ohkawa, T. 135
- Palcic, M.M. 153
- Parolis, H. 263
- Parolis, L.A.S. 263
- Parrilli, M. 307
- Peters, J.A. 65
- Petrakova, E. 17
- Piekarska-Bartoszewicz, B. 167
- Ronco, G. 203
- Sabesan, S. 239
- Sakaki, T. 27
- Sakakibara, T. 217
- Samain, E. 1
- Seta, A. 217
- Shibata, N. 299
- Siebert, J.W. 105
- Simiand, C. 1
- Stangier, P. 153
- Striegel, A.M. 271
- Suzuki, M. 299
- Suzuki, S. 299
- Tamura, T. 217
- Tanimoto, T. 27
- Tber, B. 203
- Temeriusz, A. 167
- Timpa, J.D. 271
- Tokuda, K. 217
- Torikata, T. 135
- Van Bekkum, H. 65
- Van den Berg, R. 65
- Villa, P. 203
- Vlahov, I.R. 143
- Vliegenthart, J.F.G. 313
- Wasserman, Z. 239
- Watanabe, M. 299
- Wawer, I. 167
- Wilkinson, S.G. 127
- Winn, A.M. 127
- York, W.S. 79
- Zähringer, U. C3

SUBJECT INDEX

- 3-Acetamido-3-deoxy- and 4-acetamido-4-deoxy-D-altrose from levoglucosenone using regioselective *cis*-oxyamination, novel synthesis of, 187
- 4-Acetamido-4-deoxy-D-altrose from levoglucosenone using regioselective *cis*-oxyamination, novel synthesis of 3-acetamido-3-deoxy- and, 187
- Addition reactions of 1,5-anhydro-4,6-O-benzylidene-2,3-dideoxy-2,3-dideoxy-3-C-nitro-D-erythro-hex-2-enitol and its 5a-carba derivative, nucleophilic, 217
- Aminoguanidine, the reaction of D-glucose with, 17
- Analysis of reducing end-groups produced by enzymatic scission of glycosidic linkages in O-methylcellulose, 291
- Anhydro-4,6-O-benzylidene-2,3-dideoxy-2,3-dideoxy-3-C-nitro-D-erythro-hex-2-enitol and its 5a-carba derivative, nucleophilic addition reactions of 1,5-, 217
- O10 Antigen of *Stenotrophomonas (Xanthomonas) maltophilia*, structure of the, 127
- O-Antigenic polysaccharide from *E. coli* O113 lipopolysaccharide, structure of the, 263
- Apparatus for HF solvolysis experiments, multi-chambered, 115
- α -L-Arabinofuranobiosides, synthesis of regioisomeric methyl, 39
- Assignment of ^1H and ^{13}C NMR chemical shifts of a D-mannan composed of α -(1 \rightarrow 2) and α -(1 \rightarrow 6) linkages obtained from *Candida kefyr* IFO O586 strain, 299
- Atomic force microscopy, imaging of xanthan gum by, 161
- 3'-Azido-2',3'-dideoxy-4'-thionucleosides starting from D-xylose, an alternative strategy for the synthesis of, 203
- Borate as catalyst and protecting group in the selective alkaline oxidative degradation of mono- and di-saccharides, 65
- 4-C-Branched sugar, a novel component of the lipopolysaccharide of the bacterium *Pseudomonas caryophylli*, 307
- Capillary electrophoresis for monitoring chemical reactions: sulfation and synthetic manipulation of sulfated carbohydrates, 143
- 7-O-Carbomoyl-L-glycero-D-manno-heptose, a new core constituent in the lipopolysaccharide of *Pseudomonas aeruginosa*, C3
- Cell wall polysaccharide fraction of the green alga *Tetraselmis striata*, structure of an acidic trisaccharide component, 313
- Cellulose HF solvolysis products, reaction with acetic acid and acetic anhydride, 115
- Chemoenzymatic synthesis and inhibition studies of dextranases, sucrose analogues modified at position 3, 1
- Chitotetraitol, *N,N',N'',N'''*-tetraacetyl, mode of binding to hen egg white lysozyme, 135
- ^{13}C CPMAS solid state NMR, 167
- Cyclodextrin-based metal chelants as probes for intestinal permeability, synthesis and characterization of, 49
- Cyclomalto-octaoses, preparation of 6¹,6²-, 6¹,6³-, 6¹,6⁴- and 6¹,6⁵-di-O-(α -D-glucopyranosyl), 27
- Dextranases, sucrose analogues modified at position 3: chemoenzymatic synthesis and inhibition studies, of, 1
- 2-(Dimethyloctylsilyl)ethyl lactoside: a versatile intermediate for chemical and enzymic glycoside synthesis, 153
- Di-O-(α -D-glucopyranosyl)cyclomalto-octaoses, preparation of 6¹,6²-, 6¹,6³-, 6¹,6⁴- and 6¹,6⁵-, 27
- Enzymatic scission of glycosidic linkages in O-methylcellulose, analysis of reducing end-groups produced by, 291

- Escherichia coli* O113 lipopolysaccharide, structure of the O-specific polysaccharide, 263
- Functional-group tuning in the designs of neuraminidase inhibitors, structural and, 239
- Ganglioside synthesis, 2-(dimethyloctylsilyl)ethyl lactoside: a versatile intermediate for chemical and enzymic, 153
- Gel-permeation chromatography, molecular characterization of polysaccharides dissolved in Me₂NAC-LiCl by, 271
- D-Glucose and D-mannose series and selective hydrolysis of the corresponding orthoesters, a new method of orthoesterification, under kinetic control, at non-anomeric positions. Application to the, 227
- D-Glucose with aminoguanidine, the reaction of, 17
- HF solvolysis experiments, a multichambered apparatus for, 115
- ¹H NMR, 167
- Human post-burn scar maturation: isolation and characterization, iduronic acid rich proteoglycans (PG_{idoA}) and, 105
- Hydrogen peroxide using borate as catalyst in the selective alkaline oxidative degradation of mono- and di-saccharides by hydrogen peroxide using borate as catalyst and protecting group, 65
- Iduronic acid rich proteoglycans (PG_{idoA}) and human post-burn scar maturation: isolation and characterization, 105
- Imaging xanthan gum by atomic force microscopy, 161
- Isobutylidenation of 1-C-substituted polyols. Attempted extension of the NMR shift rule via the chemical shift difference of their two methyl groups, 177
- Levoglucosenone using regioselective *cis*-oxyamination, novel synthesis of 3-acetamido-3-deoxy- and 4-acetamido-4-deoxy-D-altrose from, 187
- Lipopolysaccharide from *Stenotrophomonas* (*Xanthomonas*) *maltophilia*, serogroup O10, structure of the, 127
- Lipopolysaccharide of *Pseudomonas aeruginosa*, identification of 7-O-carbamoyl-L-glycero-D-manno-heptose as a new constituent, C3
- Lipopolysaccharide of the bacterium *Pseudomonas caryophylli*, a novel 4-C-branched sugar component, 307
- Lysozyme, hen egg white, mode of binding of N,N',N'',N'''-tetraacetylchitotetraol to, 135
- D-Mannan composed of D-mannan composed of α-(1 → 2) and α-(1 → 6) linkages obtained from *Candida kefyr* IFO O586 strain, assignment of ¹H and ¹³C NMR chemical shifts of a, 299
- D-Mannose series and selective hydrolysis of the corresponding orthoesters, a new method of orthoesterification, under kinetic control, at non-anomeric positions. Application to the D-glucose and, 227
- Me₂NAC-LiCl by gel-permeation chromatography, molecular characterization of polysaccharides dissolved in, 271
- Methyl α-L-arabinofuranobiosides, synthesis of regioisomeric, 39
- Methylcellulose, analysis of reducing end-groups produced by enzymatic scission of glycosidic linkages in O-, 291
- Molecular characterization of polysaccharides dissolved in Me₂NAC-LiCl by gel-permeation chromatography, 271
- Neuraminidase inhibitors, structural and functional-group tuning in the designs of, 239
- ¹⁵N NMR, 167
- NMR chemical shifts of a D-mannan composed of α-(1 → 2) and α-(1 → 6) linkages obtained from *Candida kefyr* IFO O586 strain, assignment of ¹H and ¹³C, 299
- Nucleophilic addition reactions of 1,5-anhydro-4,6-O-benzylidene-2,3-dideoxy-2,3-dideoxy-3-C-nitro-D-erythro-hex-2-enitol and its 5a-carba derivative, 217
- Orthoesterification, under kinetic control, at non-anomeric positions. Application to the D-glucose and D-mannose series and selective hydrolysis of the corresponding orthoesters, a new method of, 227
- Orthoesters, a new method of orthoesterification, under kinetic control, at non-anomeric positions. Application to the D-glucose and D-mannose series and selective hydrolysis of the corresponding, 227
- Oxidative alkaline degradation of selective alkaline oxidative degradation of mono- and di-saccharides by hydrogen peroxide using borate as catalyst and protecting group, 65
- cis*-Oxyamination, novel synthesis of 3-acetamido-3-deoxy- and 4-acetamido-4-deoxy-D-altrose from levoglucosenone using regioselective, 187
- Polyols, attempted extension of the NMR shift rule via the chemical shift difference of their two methyl groups, isobutylidenation of 1-C-substituted, 177

- Polysaccharide from *E. coli* O113 lipopolysaccharide, structure of the O-specific, 263
- Polysaccharides dissolved in Me₂NAC-LiCl by gel-permeation chromatography, molecular characterization of, 271
- Proteoglycans (PG_{idoA}) and human post-burn scar maturation: isolation and characterization, iduronic acid rich, 105
- Pseudomonas aeruginosa* lipopolysaccharide, identification of 7-O-carbamoyl-L-glycero-D-manno-heptose as a new core constituent, C3
- Pseudomonas caryophylli*, a novel 4-C-branched sugar from the cell wall lipopolysaccharide, 307
- Specific effects of sidechain structure and location on ¹H NMR chemical shifts, eleven newly characterized xyloglucan oligoglycosyl alditols, 79
- Stenotrophomonas (Xanthomonas) maltophilia*, structure of the O10 antigen, 127
- Structural and functional-group tuning in the designs of neuraminidase inhibitors, 239
- Sucrose analogues modified at position 3: chemoenzymatic synthesis and inhibition studies of dextranases, 1
- Sulfation and synthetic manipulation of sulfated carbohydrates, capillary electrophoresis for monitoring chemical reactions, 143
- Synthesis and characterization of cyclodextrin-based metal chelants as probes for intestinal permeability, 49
- Tetraselmis striata*, structure of an acidic trisaccharide component of cell wall polysaccharide fraction of the green alga, 313
- Trisaccharide component of a cell wall polysaccharide fraction of the green alga *Tetraselmis striata*, structure of an acidic, 313
- Ureidosugars, 167
- Xanthan gum, imaging by atomic force microscopy, 161
- Xyloglucan oligoglycosyl alditols: the specific effects of sidechain structure and location on ¹H NMR chemical shifts, eleven newly characterized, 79